

Serial Number: 09/820,425B**ENTERED**CRF Processing Date: 1/15/2002Edited by: AO  
Verified by: AO (STIC stat)0590  
0/02

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically: \_\_\_\_\_
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other \_\_\_\_\_
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically: \_\_\_\_\_
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: \_\_\_\_\_
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: \_\_\_\_\_
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included: \_\_\_\_\_
- ☐ Deleted extra, invalid, headings used by an applicant, specifically: \_\_\_\_\_
- ☒ Deleted: ☒ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file;  
☐ page numbers throughout text; ☐ other invalid text, such as \_\_\_\_\_
- ☐ Inserted mandatory headings, specifically: \_\_\_\_\_
- ☐ Corrected an obvious error in the response, specifically: \_\_\_\_\_
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically: \_\_\_\_\_
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted ending stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: \_\_\_\_\_
- ☐ Other: \_\_\_\_\_

Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

OIPE

## RAW SEQUENCE LISTING

DATE: 01/15/2002

PATENT APPLICATION: US/09/820,425B

TIME: 20:24:24

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF3\01152002\I820425B.raw

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3 <110> APPLICANT: Chen, Sei-Yu
4     Hu, Ping
5     Recipon, Herve
6     Macina, Roberto
8 <120> TITLE OF INVENTION: Compositions and Methods of Diagnosing, Monitoring,
9     Staging, Imaging and Treating Lung Cancer
11 <130> FILE REFERENCE: DEX-0203
13 <140> CURRENT APPLICATION NUMBER: US/09/820,425B
14 <141> CURRENT FILING DATE: 2001-03-29
16 <150> PRIOR APPLICATION NUMBER: 60/192,921
17 <151> PRIOR FILING DATE: 2000-03-29
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31 tatcataagc tt                                     132
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35 <211> LENGTH: 118
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66 <211> LENGTH: 101
67 <212> TYPE: DNA
68 <213> ORGANISM: Homo sapiens

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## RAW SEQUENCE LISTING

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Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF3\01152002\I820425B.raw

70 &lt;400&gt; SEQUENCE: 5

71 taccacagtgc tgggtgacaag ctgggtgtact caaggggtcat agcgggttgta ctgagagaaag 60  
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76 &lt;211&gt; LENGTH: 704

77 &lt;212&gt; TYPE: DNA

78 &lt;213&gt; ORGANISM: Homo sapiens

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 82 ggagtttgct ctgatgtgtg tgtttccgct cccaaaacac acacacagca gcacacagtc 120  
 83 gcgatacatc atatttcaat ccgcttgcta gctcagatct ctgtgggttat ggggtaacaa 180  
 84 acagtcggat gcagaaaaac tatccatgaa ttcagcaaac acagttagcc gtaggtcgaa 240  
 85 gaatccctaa accgctctta acaatcatat aatccatact gctgagcgac attagactgg 300  
 86 gctgtacac ctgtcctcgt tcagccgaca gcccaagcca tgtacccccg catcctcctt 360  
 87 ctccataat ctcccacaag acgatcaca gctatggcca gtacatcagt ggctcaatag 420  
 88 cctgacatcc ctgctgtctg caactcgtca ctcccgctc acacagttcc accacaacca 480  
 89 taccgagcca acccgcccc accagcccc caccgcccc gggcgcgcgc ccacgccccg 540  
 90 cccacgggc acccccaccg accgagccac ccccccccc cgtccacac ccgaccaggc 600  
 91 cacccccacc ccccacgac cgcaaccaga gccccaccg ccgcaccgcc ccccgccccg 660  
 92 ccgcccagca ccccaccgc aaccaccgc ccccccccc gcac 704

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96 &lt;211&gt; LENGTH: 145

97 &lt;212&gt; TYPE: DNA

98 &lt;213&gt; ORGANISM: Homo sapiens

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103 &lt;223&gt; OTHER INFORMATION: a, c, g or t

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106 &lt;221&gt; NAME/KEY: unsure

107 &lt;222&gt; LOCATION: (125)..(126)

108 &lt;223&gt; OTHER INFORMATION: a, c, g or t

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 112 cagtgtttga gagttgagag cgagactcgt gtgtggttac nagacttcta cagtgtcaac 120  
 113 atgcnnacgc agaaaataag tcttg 145

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117 &lt;211&gt; LENGTH: 715

118 &lt;212&gt; TYPE: DNA

119 &lt;213&gt; ORGANISM: Homo sapiens

121 &lt;400&gt; SEQUENCE: 8

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 123 atttgggaaa tgagttagat tctggacagt ctgatacgt gatctactag ctcaacaact 120  
 124 gtatcattac cactggtaca gtataagatc tcaactaacg ccgcaaaccg acatttcaga 180  
 125 ctatctaacc attacatttg tacaattcca tagtgagtat caacgtttat cactacaccg 240  
 126 aagtgcatta agcacacatg cagtgcaca cattctacaa actgcagcac caccatggcg 300  
 127 tctacggcga attcagctag cgggctgata tcacagacac gaccactagc cccactcgc 360  
 128 ttatcactac tatacaccta tatacgtgct tgaactaaca ctatottcga tagtttaact 420  
 129 cgtacctttt gcctcgacac ctacacaggac acagttcgt catacaccta gacccctcg 480

## RAW SEQUENCE LISTING

DATE: 01/15/2002

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Input Set : A:\PTO.AMC.txt

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131 aacagcacga cgcccaccta ccatgactcc caccaaccca acctgtcgac aacgacaagg 600
132 acgcaacact acaacaagca aaataccact ggccaccgca tagcgccgcc acacacacat 660
133 ggcacagcag gacagctacc cctgctgcca cacactggac catccccggt ccaca      715
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142 <221> NAME/KEY: unsure
143 <222> LOCATION: (92)..(93)
144 <223> OTHER INFORMATION: a, c, g or t
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148 <222> LOCATION: (205)..(206)
149 <223> OTHER INFORMATION: a, c, g or t
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152 <221> NAME/KEY: unsure
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157 <221> NAME/KEY: unsure
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159 <223> OTHER INFORMATION: a, c, g or t
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174 <223> OTHER INFORMATION: a, c, g or t
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177 <221> NAME/KEY: unsure
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179 <223> OTHER INFORMATION: a, c, g or t
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187 <221> NAME/KEY: unsure
188 <222> LOCATION: (319)
189 <223> OTHER INFORMATION: a, c, g or t
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## RAW SEQUENCE LISTING

DATE: 01/15/2002

PATENT APPLICATION: US/09/820,425B

TIME: 20:24:24

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF3\01152002\I820425B.raw

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 241 <220> FEATURE:  
 242 <221> NAME/KEY: unsure /  
 243 <222> LOCATION: (341)  
 244 <223> OTHER INFORMATION: a, c, g or t  
 246 <400> SEQUENCE: 9

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 W--> 249 aagtgcgcgt gttccaattc aatgtgagca agatccctgt taaagatgac aatgtttcag 180  
 W--> 250 ttaacaggtc agagataaca gtcannaagc gcaagagcca tgtnnaaag tggtccatg gtc 240  
 W--> 251 tcnnacata agacctggtc gtctctgngc cccaaatata tactntggaa ttccggntt 300

## RAW SEQUENCE LISTING

DATE: 01/15/2002

PATENT APPLICATION: US/09/820,425B

TIME: 20:24:24

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF3\01152002\I820425B.raw

WA> 252 ggcgccantg nttttgaant tncccnctt taancncggc nttggttnt tgganang 360  
 W> 253 naattaactn 370  
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 262 <221> NAME/KEY: unsure  
 263 <222> LOCATION: (74)  
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 274 <223> OTHER INFORMATION: a, c, g or t  
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 277 <221> NAME/KEY: unsure  
 278 <222> LOCATION: (173)  
 279 <223> OTHER INFORMATION: a, c, g or t  
 281 <400> SEQUENCE: 10  
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 285 g 181  
 288 <210> SEQ ID NO: 11  
 289 <211> LENGTH: 124  
 290 <212> TYPE: DNA  
 291 <213> ORGANISM: Homo sapiens  
 293 <400> SEQUENCE: 11  
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 296 ctct 124  
 299 <210> SEQ ID NO: 12  
 300 <211> LENGTH: 311  
 301 <212> TYPE: DNA  
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 305 actccagctc tgtgtgcaag gagatgtgct ggaatgtcac agcatcgtat agcaaagagc 60  
 306 atattggcaa cagcttggat ggccagcaga aggagcccaa atgtgtgatt catattcact 120  
 307 agtcgaataa ttgaatacta caatatacac catatatact agactgtatg tgttgttcta 180  
 308 tactatagtg attgacttga actccattca gtgaaaaaaa tggaagaatt agctatttgt 240  
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 310 aggtaaagct t 311  
 313 <210> SEQ ID NO: 13  
 314 <211> LENGTH: 22  
 315 <212> TYPE: DNA

## VERIFICATION SUMMARY

DATE: 01/15/2002

PATENT APPLICATION: US/09/820,425B

TIME: 20:24:25

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF3\01152002\I820425B.raw

L:112 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7  
L:113 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7  
L:248 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9  
L:250 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9  
L:251 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9  
L:252 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9  
L:253 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9  
L:283 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10  
L:284 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10

OIPE

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/820,425B

DATE: 01/09/2002

TIME: 14:33:32

Input Set : A:\DEX-203.txt

Output Set: N:\CRF3\01082002\I820425B.raw

**Does Not Comply  
Corrected Diskette Needed**

3 <110> APPLICANT: Chen, Sei-Yu  
 4 Hu, Ping  
 5 Recipon, Herve  
 6 Macina, Roberto  
 8 <120> TITLE OF INVENTION: Compositions and Methods of Diagnosing, Monitoring,  
 9 Staging, Imaging and Treating Lung Cancer  
 11 <130> FILE REFERENCE: DEX-0203  
 13 <140> CURRENT APPLICATION NUMBER: US/09/820,425B  
 14 <141> CURRENT FILING DATE: 2001-03-29  
 16 <150> PRIOR APPLICATION NUMBER: 60/192,921  
 17 <151> PRIOR FILING DATE: 2000-03-29  
 19 <160> NUMBER OF SEQ ID NOS: 19  
 21 <170> SOFTWARE: PatentIn Ver. 2.1

## ERRORED SEQUENCES

385 <210> SEQ ID NO: 19  
 386 <211> LENGTH: 29  
 387 <212> TYPE: DNA  
 388 <213> ORGANISM: Artificial Sequence  
 390 <220> FEATURE:  
 391 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
 393 <400> SEQUENCE: 19  
 394 agcatcgtat agcaaagagc atattggca 29

E--> 397 1  
 E--> 400 1



## VERIFICATION SUMMARY

DATE: 01/09/2002

PATENT APPLICATION: US/09/820,425B

TIME: 14:33:33

Input Set : A:\DEX-203.txt

Output Set: N:\CRF3\01082002\I820425B.raw

L:112 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7  
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L:248 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9  
L:250 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9  
L:251 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9  
L:252 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9  
L:253 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9  
L:283 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10  
L:284 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10  
L:397 M:254 E: No. of Bases conflict, LENGTH:Input:1 Counted:29 SEQ:19  
M:254 Repeated in SeqNo=19